

PCT

Original (for SUBMISSION )

13-2-6	Validation messages Declarations	Green? Manually inputted data. Please verify the contents of the information provided.
13-2-7	Validation messages Contents	Green? The international application contains no drawings. Please verify.
	Validation messages Contents	Green? Reference number for attached copy of general power of attorney not indicated.
13-2-8	Validation messages Fees	Green? Please confirm that fee schedule utilized is the latest available
13-2-9	Validation messages Payment	Green? Please ensure that you have a valid deposit account with the receiving Office selected.

X15628

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**PCT REQUEST**

Original (for SUBMISSION)

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No	
<b>0-2</b>	International Filing Date	
<b>0-3</b>	Name of receiving Office and "PCT International Application"	
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared Using	<b>PCT-SAFE [EASY mode] Version 3.50 (Build 0002.163)</b>
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	<b>United States Patent and Trademark Office (USPTO) (RO/US)</b>
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	<b>X15628</b>
<b>I</b>	<b>Title of Invention</b>	<b>VITAMIN D RECEPTOR MODULATORS</b>
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is	<b>applicant only</b>
<b>II-2</b>	Applicant for	<b>all designated States except US</b>
<b>II-4</b>	Name	<b>ELI LILLY AND COMPANY</b>
<b>II-5</b>	Address	<b>Lilly Corporate Center Indianapolis, Indiana 46285 United States of America</b>
<b>II-6</b>	State of nationality	<b>US</b>
<b>II-7</b>	State of residence	<b>US</b>
<b>II-8</b>	Telephone No.	<b>317-276-0755</b>
<b>II-9</b>	Facsimile No.	<b>317-276-3861</b>
<b>III-1</b>	<b>Applicant and/or inventor</b>	
<b>III-1-1</b>	This person is	<b>applicant and inventor</b>
<b>III-1-2</b>	Applicant for	<b>US only</b>
<b>III-1-4</b>	Name (LAST, First)	<b>BUNEL, Emilio, Enrique</b>
<b>III-1-5</b>	Address	<b>3277 Sunset Hills Boulevard Thousand Oaks, California 91362 United States of America</b>
<b>III-1-6</b>	State of nationality	<b>CL</b>
<b>III-1-7</b>	State of residence	<b>US</b>

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<b>III-2</b>	<b>Applicant and/or Inventor</b>	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	GAJEWSKI, Robert, Peter
III-2-5	Address	1501 Friendship Drive Indianapolis, Indiana 46217 United States of America
III-2-6	State of nationality	US
III-2-7	State of residence	US
<b>III-3</b>	<b>Applicant and/or Inventor</b>	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	JONES, Charles, David
III-3-5	Address	223 East Brunswick Avenue Indianapolis, Indiana 46227 United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US
<b>III-4</b>	<b>Applicant and/or Inventor</b>	
III-4-1	This person is	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	LU, Jianliang
III-4-5	Address	11921 Castlestone Drive Fishers, Indiana 46038 United States of America
III-4-6	State of nationality	CN
III-4-7	State of residence	US
<b>III-5</b>	<b>Applicant and/or Inventor</b>	
III-5-1	This person is	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	NAGPAL, Sunil
III-5-5	Address	5258 Comanche Trail Carmel, Indiana 46033 United States of America
III-5-6	State of nationality	US
III-5-7	State of residence	US

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III-6	<b>Applicant and/or inventor</b>	
III-6-1	This person is	applicant and inventor
III-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	MA, Tianwei
III-6-5	Address	5676 Sapphire Drive Carmel, Indiana 46033 United States of America
III-6-6	State of nationality	CN
III-6-7	State of residence	US
III-7	<b>Applicant and/or inventor</b>	
III-7-1	This person is	applicant and inventor
III-7-2	Applicant for	US only
III-7-4	Name (LAST, First)	YEE, Ying, Kwong
III-7-5	Address	5127 Briarstone Trace Carmel, Indiana 46033 United States of America
III-7-6	State of nationality	US
III-7-7	State of residence	US
IV-1	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	BOUDREAUX, William, R.
IV-1-2	Address	ELI LILLY AND COMPANY P. O. Box 6288 Indianapolis, Indiana 46206-6288 United States of America
IV-1-3	Telephone No.	317-276-0755
IV-1-4	Facsimile No.	317-276-3861
IV-1-6	Agent's registration No.	35,796
IV-2	<b>Additional agent(s)</b>	
		additional agent(s) with same address as first named agent
IV-2-1	Name(s)	BATES, Michael, T. (34,121)
V	<b>DESIGNATIONS</b>	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	

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**PCT REQUEST**

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<b>VI-1</b>	<b>Priority claim of earlier national application</b>		
VI-1-1	Filing date	20 November 2003 (20.11.2003)	
VI-1-2	Number	60/523,301	
VI-1-3	Country	US	
<b>VI-2</b>	<b>Priority document request</b>		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s).	VI-1	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>European Patent Office (EPO) (ISA/EP)</b>	
<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	1	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	1	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

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VIII-2-1	<p>Declaration: Entitlement to apply for and be granted a patent</p> <p>Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:</p> <p>Name (LAST, First)</p>	<p>in relation to this international application</p> <p>ELI LILLY AND COMPANY is entitled to apply for and be granted a patent by virtue of the following:</p>
VIII-2-1(i)		ELI LILLY AND COMPANY was entitled as employer of the inventor, BUNEL, Emilio, Enrique
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, GAJEWSKI, Robert, Peter
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, JONES, Charles, David
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, LU, Jianliang
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, NAGPAL, Sunil
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, MA, Tianwei
VIII-2-1(i)		ELI LILLY AND COMPANY is entitled as employer of the inventor, YEE, Ying, Kwong
VIII-2-1(i)	This declaration is made for the purposes of:	all designations except the designation of the United States of America

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VIII-4-1	<p>Declaration: Inventorship (only for the purposes of the designation of the United States of America)</p> <p>Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1-1	Prior applications:	

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		<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>
VIII-4-1-1-1	Name (LAST, First)	BUNEL, Emilio, Enrique
VIII-4-1-1-2	Residence: (city and either US State, if applicable, or country)	Thousand Oaks, California
VIII-4-1-1-3	Mailing address:	3277 Sunset Hills Boulevard Thousand Oaks, CA 91362 United States of America
VIII-4-1-1-4	Citizenship:	CL
VIII-4-1-1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	





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VIII-4-1-2-1	Name (LAST, First)	GAJEWSKI, Robert, Peter
VIII-4-1-2-2	Residence: (city and either US State, if applicable, or country)	Indianapolis, Indiana
VIII-4-1-2-3	Mailing address:	1501 Friendship Drive Indianapolis, IN 46217 United States of America
VIII-4-1-2-4	Citizenship:	US
VIII-4-1-2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	<i>Robert Peter Gajewski</i>
VIII-4-1-2-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	11-15-2004
VIII-4-1-3-1	Name (LAST, First)	JONES, Charles, David
VIII-4-1-3-2	Residence: (city and either US State, if applicable, or country)	Indianapolis, Indiana
VIII-4-1-3-3	Mailing address:	223 East Brunswick Avenue Indianapolis, IN 46227 United States of America
VIII-4-1-3-4	Citizenship:	US
VIII-4-1-3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	<i>Charles David Jones</i>
VIII-4-1-3-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	11-11-04



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VIII-4-1-4-1	Name (LAST, First)	LU, Jianliang
VIII-4-1-4-2	Residence: (city and either US State, if applicable, or country)	Fishers, Indiana
VIII-4-1-4-3	Mailing address:	11921 Castlestone Drive Fishers, IN 46038 United States of America
VIII-4-1-4-4	Citizenship:	CN
VIII-4-1-4-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-4-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	11/11/04
VIII-4-1-5-1	Name (LAST, First)	NAGPAL, Sunil
VIII-4-1-5-2	Residence: (city and either US State, if applicable, or country)	Carmel, Indiana
VIII-4-1-5-3	Mailing address:	5258 Comanche Trail Carmel, IN 46033 United States of America
VIII-4-1-5-4	Citizenship:	US
VIII-4-1-5-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-5-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	11-11-04

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VIII-4-1-6-1	Name (LAST, First)	MA, Tianwei
VIII-4-1-6-2	Residence: (city and either US State, if applicable, or country)	Carmel, Indiana
VIII-4-1-6-3	Mailing address:	5676 Sapphire Drive Carmel, IN 46033 United States of America
VIII-4-1-6-4	Citizenship:	CN
VIII-4-1-6-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-6-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	11/11/2004
VIII-4-1-7-1	Name (LAST, First)	YEE, Ying, Kwong
VIII-4-1-7-2	Residence: (city and either US State, if applicable, or country)	Carmel, Indiana
VIII-4-1-7-3	Mailing address:	5127 Briarstone Trace Carmel, IN 46033 United States of America
VIII-4-1-7-4	Citizenship:	US
VIII-4-1-7-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1-7-6	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	Nov. 11, 2004

**PCT REQUEST**Original (for **SUBMISSION** )

<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
IX-1	Request (including declaration sheets)	12	✓
IX-2	Description	109	-
IX-3	Claims	54	-
IX-4	Abstract	1	✓
IX-5	Drawings	0	-
IX-7	<b>TOTAL</b>	<b>176</b>	
	<b>Accompanying Items</b>	<b>paper document(s) attached</b>	<b>electronic file(s) attached</b>
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	✓	-
IX-17	PCT-SAFE physical media	-	✓
IX-18	other	<b>PCT International Application Cover Letter</b>	
IX-18	other	<b>Delegation of Authority</b>	
IX-18	other	<b>Return Receipt Postcard</b>	
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	<b>English</b>	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name	<b>ELI LILLY AND COMPANY</b>	
X-1-2	Name of signatory	<b>William R. Boudreaux</b>	
X-1-3	Capacity	<b>Patent Attorney</b>	

**PCT REQUEST**

Original (for SUBMISSION )

**FOR RECEIVING OFFICE USE ONLY**

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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